(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 1 July 2004 (01.07.2004)

PCT

(10) International Publication Number WO 2004/055637 A2

(51) International Patent Classification7:

G06F

(21) International Application Number:

PCT/US2003/039525

(22) International Filing Date:

11 December 2003 (11.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/433,734

13 December 2002 (13.12.2002) US

10/688,423

16 October 2003 (16.10.2003) US

- (71) Applicant: AMERICA ONLINE INCORPORATED [US/US]; 22000 AOL Way, Dulles, VA 20166 (US).
- (72) Inventor: LOOMIS, Stephen; 327 Stambaugh Street, Redwood City, CA 94063 (CA).
- (74) Agent: GLENN, Michael; Glenn Patent Group, 3475 Edison Way, Suite L, Menlo Park, CA 94025 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU. CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR SKIPPING SONGS WITHOUT DELAY

(57) Abstract: In an Internet based personalized radio, where a user has a pre-selected list of songs to be played in a particular order, the invention provides an apparatus and method allowing the user to skip one or more songs without having an unintended delay between skips. This is accomplished by pre-buffering the first ten seconds of each of the next several songs on the list so that, should the user choose to skip to any of the next several songs, the pre-buffered ten seconds of the target song is already available to be played. The apparatus starts to play the pre-buffered port of the target song and starts to download the rest of it at the same time. Because the initial buffering time for the rest of the target song is less than ten seconds, the target song is played smoothly.

